IN THE CLAIMS

Please cancel claim 32.

Please amend claims 4, 13, 19, 20, 23, and 27 to read as follows:

4. (Twice Amended) A method for analyzing a sequence of a template, said method comprising:

(a) capturing the template with a sequencing reagent to form a captured template, said sequencing reagent comprising:

i. a capture moiety;

ii. a spacer region; and

iii. a primer region, wherein said primer region is adjacent to said spacer region;

(b) forming a primer-polymerase complex, said primer-polymerase complex comprising said primer region and a polymerase;

(c) scanning the captured template using said primer-polymerase complex for a region of complementarity to said primer region and forming a duplex, wherein said region of complementarity to said primer region is not adjacent to a region that is capable of forming a duplex with said spacer region;

(d) extending the primer by at least one nucleotide moiety by means of a template-homology dependent extension reaction to form an extended primer; and

(e) detecting said extended primer, wherein detecting said extended primer indicates the presence of one or more regions of complementarity to the primer in the captured template.

13. (Amended) The method of Claim 4, wherein the capture moiety is on a first reagent and the primer region is on a second reagent, and said first reagent and said second reagent are not attached to one another.

19. (Amended) The method of Claim 4, wherein the at least one nucleotide moiety is a non-chain terminating nucleotide or an analog of a non-chain terminating nucleotide.

E3 cont'd

20. (Amended) The method of Claim 19, wherein the at least one nucleotide moiety is a deoxynucleoside triphosphate base or a ribonucleoside triphosphate base.

E4

23 (Amended) The method of Claim 4, wherein the at least one nucleotide moiety is detectably label.

E5

27 (Amended) The method of Claim 4, wherein the extended primer is detected by change in mass.

Please add new claims 35 and 36.

E6

35. (New) The method of Claim 4, wherein the method is performed using a plurality of sequencing reagents, and said plurality of sequencing reagents are used to form a plurality of primer-polymerase complexes on an array.

36. (New) The method of Claim 4, wherein the spacer is comprised of at least one substance selected from the group consisting of a PNA sequence, polyethylene glycol groups, and 5-nitroindole groups.

REMARKS

On July 16, 2002, the Examiner issued a Non-Final Office Action. In the Office Action Summary, the Examiner asserts that claims 4 -20 and 23 -34 are subject to a restriction requirement. However, the text of the Office Action does not provide a basis for this requirement, and there are no groups from which to elect. Consequently, Applicants respectfully traverse the restriction requirement and submit that because the Office Action does not specifically describe the basis for the requirement, the requirement is inappropriate and should be withdrawn.